

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

Claim 1. (Currently Amended) A method of moulding a plastic ~~component~~ part comprising:

locating a first pre-formed ~~component~~ material into a first part of a mould having at least two mould components that, when closed, ~~forma~~ form a mould cavity, wherein, an undercut recess is formed on the surface of one of said at least two mould components,

partly closing said mould,

injecting molten plastic into said mould cavity on one side of said pre-formed ~~component~~ material, and

closing said mould to force said molten plastic to fill said mould cavity and to bond to said one side of said pre-formed ~~component~~ material, one part of said mould having a cutting edge that engages against and trims said pre-formed ~~component~~ material around said cutting edge upon closure of said at least two mould components.

Claim 2. (Currently Amended) A method of moulding according to claim 1 wherein said pre-formed ~~component~~ material is a generally concave thin walled component with a peripheral edge curved inwardly toward the center of said ~~component~~ pre-formed material, said cutting edge trimming said peripheral edge flush with the plastic moulded on the internal surface of said pre-formed ~~component~~ material.

Claim 3. (Currently Amended) A method of moulding according to claim 2 wherein said mould comprises a first female part, a second male part and an intermediate part that has a surface defining: (i) ~~[[and]]~~ an aperture through which said male part locates and (ii) ~~[[and]]~~ said undercut recess that abuts against said inwardly curved peripheral edge of said pre-formed ~~component~~ material.

Claim 4. (Currently Amended) A method of moulding according to claim 3 wherein said cutting edge abuts against ~~[[aid]]~~ a surface defining said aperture adjacent said undercut recess.

Claim 5. (Currently Amended) A mould for moulding a plastic ~~component~~ part comprising:

a first part of a mould having a cavity into which a pre-formed ~~component~~ material is located, a second part of said mould that locates into the cavity of said first part and forms a mould cavity between said second part and said pre-formed ~~component~~ material, a third intermediate mould part that locates between said first and second mould parts having a surface that defines: (i) an aperture through which said second part locates and (ii) an undercut recess that locates adjacent the opening of said first mould part when said intermediate mould part is closed against said first mould part, and

a cutting edge on at least one of said parts of said mould that engages against and trims said pre-formed component around said cutting edge upon closure of said mould components wherein said mould parts are partly closed prior to molten plastic being injected into said mould cavity on one side of said pre-formed ~~component~~ material and then fully closed to force said molten plastic to fill said mould cavity and to trim said pre-formed ~~component~~ material.

Claim 6. (Cancelled)

Claim 7. (Currently Amended) A mould according to claim ~~[[6]]~~ 5 wherein said pre-formed ~~component~~ material is a generally concave thin walled ~~component~~ material with a peripheral edge locating within said undercut when said intermediate mould part closes against said first mould part and said cutting edge trimming said peripheral edge flush with the plastic moulded on the internal surface of said pre-formed ~~component~~ material.

Claim 8. (Currently Amended) A mould according to claim ~~[[6]]~~ 5 wherein said cutting edge abuts against said surface defining said aperture adjacent said undercut recess.

Claim 9. (Currently Amended) A method of moulding a plastic ~~component part~~ in a mould having at least a male mould part, ~~[[and]] a female mould part, parts that and an intermediate mould part, wherein said male mould part locates within said female mould part to form a mould cavity when said mould is closed, said intermediate mould part has a surface defining: (i) an aperture through which said male mould part locates and (ii) an undercut recess that locates adjacent the opening of said female mould part when said intermediate mould part is closed against said female mould part, comprising:~~

locating a softened film of plastic over the recess of the female mould ~~part of said mould,~~

drawing a vacuum within the recess of said female mould ~~part of said mould~~ that causes said film of plastic to be vacuum formed onto the surface of said female mould ~~part of said mould,~~

partly closing said mould,

injecting molten plastic into said mould cavity on one side of said plastic film, and closing said mould to force said molten plastic to fill said mould cavity and to bond to said one side of said plastic film, one of said mould parts having a cutting edge against which another part of said mould locates so that the cutting edge trims said plastic film around said cutting edge upon closure of said mould parts.

Claim 10. (Cancelled)

Claim 11. (Currently Amended) A method of moulding according to claim ~~[[10]]~~ 9 wherein said cutting edge abuts against said surface defining said aperture adjacent said undercut recess.

Claim 12. (Currently Amended) A method of moulding a plastic ~~component~~ part comprising:

placing a first pre-formed ~~component~~ material into a first half of a two part mould,

partly closing said two ~~halves~~ halves of said mould,

injecting molten plastic into said mould cavity on one side of said pre-formed ~~component~~ material, and

closing said two halves of said mould to force said molten plastic to fill ~~resulting said~~ mould cavity and to bond to said pre-formed ~~component~~ material, said two halves of said mould each having cutting edges that engage upon closing of said halves to trim said pre-formed ~~component~~ material to a required size, wherein the surface of said first half of said two part mould has an undercut recess.

Claim 13. (Currently Amended) A method according to claim ~~[[1]]~~ 12 wherein said cutting edges act to cut said pre-formed ~~component~~ material by said cutting edges moving past one another.

Claim 14. (Currently Amended) A mould for moulding a plastic ~~component~~ part comprising:

a first part of a mould having a cavity into which a pre-formed ~~component~~ material is located, wherein the surface of said first half of said two part mould has an undercut recess,

a second part of said mould that locates into the cavity of said first part and forms a mould cavity between said second part and said pre-formed ~~component~~ material, and

a cutting edge on said first and second mould parts that trim said pre-formed ~~components~~ material around said cutting edges when said cutting edges engage upon closing of said first and second mould parts, wherein said mould parts are partly closed prior to molten plastic being injected into said mould cavity on one side of said pre-formed ~~component~~ material and then fully closed to force said molten plastic to fill said mould cavity and to trim said pre-formed ~~component~~ material.

Claim 15. (Currently Amended) A mould according to claim 14 wherein said cutting edges act to cut said pre-formed ~~component~~ material by said cutting edges moving past one another.

Claim 16. (Currently Amended) A method of moulding a plastic ~~component~~ part comprising:

locating a first pre-formed ~~component~~ material into a first part of a mould having at least two ~~components~~ parts that, when closed, form a mould cavity, wherein the surface of said first part of said mould has an undercut recess, and

closing said mould and injecting molten plastic to fill said mould cavity and to bond to said one side of said pre-formed ~~component~~ material , one part of said mould having a cutting edge that engages against and trims said pre-formed ~~component~~ material around said cutting edge upon closure of said mould ~~components~~.

Claim 17. (Currently Amended) A mould for moulding a plastic ~~component~~ part comprising:

a first part of a mould having a cavity into which a pre-formed ~~component~~ material is located,

a second part of said mould that locates into the cavity of said first part and forms a mould cavity between said second part and said pre-formed ~~component~~ material,

a third part of said mould that has a surface defining: (i) an aperture through which said second part locates (ii) an undercut recess that locates adjacent said cavity of said first part when said third part is closed against said first part of said mould, and

a cutting edge on at least one of said parts of said mould that engages against and trims said pre-formed ~~component~~ material around said cutting edge upon closure of said mould ~~components~~ parts wherein said mould parts are partly closed prior to molten plastic being injected into said mould cavity on one side of said pre-formed ~~component~~ material.

Claim 18. (Currently Amended) A method of moulding a plastic ~~component part~~ in a mould having at least a male mould part, ~~[[and]] a female mould part, parts that and an intermediate mould part, wherein said male mould part locates within said female mould part to form a mould cavity when said mould is closed, said intermediate mould part has a surface defining: (i) an aperture through which said male mould part locates and (ii) an undercut recess that locates adjacent the opening of said female mould part when said intermediate mould part is closed against said female mould part, comprising:~~

locating a softened film of plastic over the recess of the female part of said mould,

drawing a vacuum with in the recess of said female part of said mould that causes said film of plastic to be vacuum formed onto the surface of said female part of said mould, and

closing said mould and injecting molten plastic to fill said mould cavity and to bond to said one side of said plastic film, one of said mould parts having a cutting edge against which another part of said mould locates so that the cutting edge trims said plastic film around said cutting edge upon closure of said mould parts.